



COUNTY BOROUGH OF BURNLEY.

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LOCAL EDUCATION AUTHORITY.

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MEDICAL OFFICER'S  
REPORT,  
——— 1920. ———

THOMAS HOLT, M.D., D.P.H.,

*School Medical Officer.*

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# COUNTY BOROUGH OF BURNLEY.

## EDUCATION DEPARTMENT.

# MEDICAL OFFICER'S REPORT

## FOR THE YEAR 1920.

*To the Chairman of the Education Committee*

SIR,

I have the honour to present my ANNUAL REPORT as School Medical Officer for 1920.

The occurrence of so many minor ailments which, in the main, are those conditions which a little more care for the child in the home would obviate, does not shew, as it ought, any falling off as compared with last year. The question of cleanliness even intrudes when the children of secondary schools are inspected.

The provision of a treatment clinic which deals to such a large extent with conditions which have originally been aggravated by neglect, may have a tendency to cause parents to forget their natural responsibilities, and if there is a slackening of this sense of responsibility in what are apparently minor matters, such as cleanliness, then the more serious conditions will probably be neglected.

There is no royal road to health, and a child needs constant watchfulness on the part of the parent over both its moral and its physical welfare if it has to escape such perils as the formation of habits, and the acquisition of diseases, which are so likely to cause serious disability in later life. This is all the more necessary in an industrial town like ours, where conditions are far from ideal for the preservation of a healthy body.

None but the parent can effectually watch a child, and we have to be careful in providing a clinic that the parents do not come to look upon the Education Authority as responsible for the care of the health of their children. The Authority provide only a means of treatment for certain minor conditions which are not otherwise available, and is only for helping the parents and not relieving them of their responsibilities.

Speaking generally, there is a complete system for the medical attention of school children for any serious ailment, and which any parent can put into operation, when necessary. In the first place, there is the parent's own medical man, and for those necessitous children who require treatment which is not available in the home, there is the hospital. The staff of this institution includes an ophthalmic surgeon and a dental surgeon. If a child is suffering from an infectious disease—this includes tuberculosis—then the Local Sanitary Authority make themselves responsible for dealing with it. In giving advice to parents for conditions other than the minor ones provided for at the Clinic, the parent is always recommended to seek the opinion of their own private medical man. This recommendation is the soundest that can be given in the interests of the child, for the giving of advice or expressing an opinion on a child's condition, except with very great caution, by a Medical Officer who will not be called upon to treat it for that condition, is more likely to be harmful than helpful.

During the year the Act of 1918, referring to medical inspection of the children of the secondary schools was put into force.

With this extension of the work of medical inspection, it should be possible to give better effect to that part of the circular 1153 of the Board of Education where it says :

“ Medical inspection is not an end in itself. Its purpose is to provide data upon which appropriate action, remedial or preventive, can be based. In the first place, such data are essential to any adequate consideration of the many problems concerned with the removal of likely sources of future disablement or defect, and generally for attending to the health and physical condition of the pupils. Secondly, medical inspection may reveal defects which may require treatment. The primary responsibility for securing treatment rests with the pupil and his parents who, it may be anticipated, will frequently be able to make their own arrangements.”

and

“ The Authority should also consider the steps to be taken to co-ordinate the work with that of other local authorities or agencies which are directly concerned with the health of the population of the area ; notably with the



Sanitary Authority which is concerned amongst other matters with the control of Infectious Diseases and Tuberculosis. In the case of pupils over 16 it may be necessary to keep in touch with the authorities concerned with the administration of the National Insurance Act. Again, subject to proper safeguards, the results of Medical Inspection should be made available for use in advising pupils as to the selection of suitable forms of employment and also in connection with the work of the Factory Surgeon. Finally, the possibility should not be overlooked of useful co-operation with industrial organisations and other unofficial bodies which are directly interested in the health and physical welfare of adolescents."

The defects found later in life, which are of such serious importance, nationally, do not as a rule arise from such conditions as ringworm, impetigo, or defective eyesight, and defective teeth are quite as often a result as well as a cause of disease.

We have to look for the origin of tuberculosis, for the origin of heart affections, of kidney disease, of bone disease, which ultimately leads to deformities. All the above probably have their beginning before the termination of school life, as now extended. Thus, in the list of defects (Table II.), out of a total of 2,846 there are :—

Diseases of the Heart	...	...	...	...	...	62
Diseases of the Lungs	...	...	...	...	...	29
Rickets	...	...	...	...	...	37
Deformities (mostly the result of Rickets)	...	...	...	...	...	92
Enlarged Glands (often Tuberculous)	...	...	...	...	...	161

Also, in a return of dental inspections of 1,188 children of 7 years of age, no less than 966 had more or less serious dental defects.

If we look at the return of the causes of death, which are really the ultimate result of the various disabilities suffered during life, we find that out of a total of 1,553 deaths in Burnley, in 1919, there are :—

Tuberculosis	...	...	...	...	...	126
Respiratory Diseases (many of these T.B. in origin)	...	...	...	...	...	376
Heart Disease	...	...	...	...	...	158
Various Infectious Diseases	...	...	...	...	...	61 (under 15)

Anaemia only shews 16, but the results of anaemia must be shewn in a great majority of the other diseases. Very probably all the above had their

origin at some time between birth and the age of about 16. The beginnings of these illnesses that lead to a premature death resolve themselves into a small number : (1) Unsuitable feeding leading to rickets, and defective teeth, both with their many consequent disabilities ; (2) Infection, of tuberculosis, measles, scarlet fever, etc., with the endless troubles they leave in their train ; (3) Inheritance of disease, and (4) Neglect, especially of young children, which paves the way for many of the diseases which are in later life a serious disability and ultimately lead to a premature death.

What is required is prevention of disease and the preventing of most of them can only be effected by those in charge of the children. The guardians of the child control its feeding, its habits, and, to a very great extent, its exposure to infection. The harm caused by improper feeding does not, as a rule, apply to children of school age, but exposure to infection does especially apply to that period, and if as much care were taken in the homes as in the schools to guard against infection there would be a tremendous improvement in our general health statistics. One need only refer to the disease of measles, where indifference on the part of many parents leads to such harmful effects.

I am, Sir,

Your obedient Servant,

THOS. HOLT,

*School Medical Officer.*

Public Health Department,

*April, 1921.*

## GENERAL INFORMATION.

**SCHOLARS.**—Number of scholars on school register, 15,665. Education  
Report.  
Average attendance during year, 13,134. Children are admitted to school before the age of five, and leave generally when they attain the age of thirteen. They are mostly the children of parents who work in the cotton weaving sheds, and a large proportion go to work as “half-timers” when they reach the age of twelve, and “full-timers” when they reach the age of thirteen, that is if they have attained the required proficiency in their school work, and made the requisite number of attendances.

“Half-timers” in 1920 numbered 1,443.

### SCHOOLS.—

Number of Provided Schools.....	17
Number of Non-Provided Schools.....	18

#### Departments—

##### Provided Schools—

Mixed.....	16
Infants .....	11

##### Non-Provided Schools—

Mixed.....	11
Boys .....	2
Girls .....	2
Infants .....	14
Infants and Mixed .....	3

Ten of the Schools are quite modern buildings. Some of the others are old buildings, but they are generally well ventilated, warmed and lighted. The Sanitary Conveniences are modern and efficient, with the exception of one school, which has pail closets.

The various schools have been regularly visited by members of the Sanitary Staff, in all 434 visits being paid. The defects found have numbered 40, all, with the exception of 4, were remedied at the end of the year.

Each school is provided with water from the public supply, which is constant and of good quality.

**SPECIAL SCHOOLS.** There are two Special Schools for the mentally defective, one at Coal Clough and the other at Heasandford. They have each accommodation for 65 scholars.

The number of children on the roll on December 31st, 1920, was 145.

During the year 46 children were admitted, and 24 children left.

Of the 24 who left—

13 went to work,

1 was excluded as an Institution case.

1 died,

2 were sent to Homes by the Guardians,

1 went to a Boarding School,

3 left the town,

2 were too ill to attend.

1 ceased to attend (Nelson case).

Each School has a Head Mistress and three Assistant Teachers who are specially trained for this kind of work.

**SCHOOL FOR THE DEAF.**—There are at present attending 14 boys and 12 girls, of whom 14 are Burnley, the rest being sent by neighbouring authorities.

Of the Burnley children, there are :—

Boys ... ..	7	Girls ... ..	7
Boys : Totally deaf...	4	Girls : Totally deaf	5
Partially deaf ... ..	2	Partially deaf ... ..	2
Aphasic ... ..	1		

*Causes of Deafness of the Burnley children.*

	Boys.	Girls.
Born deaf ... ..	4	4
Deaf before acquiring speech ...	1	2
Deaf after acquiring speech ...	1	1
Aphasic ... ..	1	—

*Causes (where known) of post-natal deafness.*

	Boys.	Girls.
Teething ... ..	1	—
Abscesses ... ..	—	1
Accident ... ..	—	1
Other illnesses (not specified) ...	1	1

The Staff consists of a Head Mistress and two Assistant Mistresses.



**SCHOOL FOR THE BLIND.**—This School has accommodation for 26 scholars. There are at present attending 17, of whom 9 are Burnley children, the rest being sent by neighbouring authorities. Education Report.

Of the Burnley children, there are :—

Boys ... ..	2	Girls... ..	7
Boys : Totally blind ...	1	Girls : Totally blind ...	3
Partially blind ...	1	Partially blind ...	4

Of the totally blind children, one boy acquired his defect from cerebral meningitis at the age of 12. The condition of the 3 girls is due to ophthalmia neonatorum.

**OPEN-AIR SCHOOL.**—This school is situated in the grounds of Bank Hall, and is within half a mile of the centre of the town. There are places for 40 children, and during the year the average attendance has been 37 on the 461 times that the school was open.

**SCHOOL CLINIC.**—This is situate at the Old Technical School in Elizabeth Street. Children can here obtain treatment for minor ailments, dental treatment, and the correction of errors of refraction. The total number of attendances at the Inspection and Treatment Clinics was 22,170.

**SPECIAL CLASSES** are held at several centres for the teaching of Cookery and Hygiene to girls of eleven years and upwards. Domestic Hygiene and Sick Nursing, the teaching of which is made as practical as possible, is also taught to all girls of eleven and upwards.

**PHYSICAL EXERCISES.**—The children at the ordinary schools are trained in the usual physical exercises by teachers who are qualified to carry out the instructions laid down in the syllabus of the Board of Education. Swimming Classes are organised under proper qualified teachers, and are open to all the scholars from about the age of eight upwards. During the last school year 50,253 attendances were put in at the various Baths by the school children.

## MEDICAL INSPECTION.

Education  
Report.

The routine Medical Inspections of school children in accordance with the regulations of the Board of Education, are made at the age of five, at the age of seven, and at the age of twelve. The Assistant School Medical Officer devotes most of his time to this duty. In addition, the same Medical Officer inspects all children entering the school before the age of five at his first visit to the school after their admission. Many children also are brought forward for inspection by the teacher, who may consider that there is some abnormal condition which calls for medical attention.

In this way the following numbers have been inspected :—

	Boys.	Girls.	Total.
Entrants : Under 5 years of age.....	358	354	712
Five-year old children .....	774	743	1517
Six years of age .....	55	62	117
Seven-year old children .....	762	760	1522
Twelve-year old children .....	907	853	1760
Special Cases.....	190	228	418
Children of other ages .....	169	251	420
Secondary School Children.....	—	166	166
	<hr/>	<hr/>	<hr/>
Total .....	3215	3417	6632

This does not give the total number of inspections made, but refers to the number of children, some of whom have been inspected on more than one occasion.

To carry out these inspections the Medical Officer visits each school four times yearly, due notice of his visit being given to the Head Teachers, with a request to notify the parents.

As a result of the inspection, the parent, if present, is told of any defect from which the child suffers, and if any remedial action is required is advised to see to it, and, if necessary, as to the best means to be adopted. If no one is with the child, the parents are made aware of the result of the inspection by the Teacher, the School Nurse, the Attendance Officer or by post. In the first place, as a general rule, the parent is advised to see his own doctor. Many of the chest cases are

referred for further examination to the Tuberculosis Officer to whom Education Report.  
are also referred all possible cases for the Open-Air School. Where children have already been under a medical man for some defect which is found at the inspection, and which is thought to require further treatment, then an endeavour is made by the School Medical Officer to get into communication with the medical man. In this case more precise directions and advice can be given to the parents.

TABLE I.—SHOWING THE NUMBER OF PARENTS PRESENT ON THE FIRST EXAMINATION OF THE CHILDREN AT FIVE YEARS OF AGE.

Total Examined.....	1517		
Father present in.....	27 cases or	1.8 %	of the admissions.
Mother present in.....	571	„	37.7 % „
Other relative present in.....	102	„	6.7 % „
Relatives not present in.....	817	„	53.8 % „

Of the 700 children of whom a history was obtained :—

74.3 %	of the children had suffered from Measles.
2.0 %	„ „ „ „ Scarlet Fever.
1.0 %	„ „ „ „ Diphtheria.
27.5 %	„ „ „ „ Whooping Cough.
23.6 %	„ „ „ „ Chickenpox.
16.8 %	had not suffered from any of the above diseases.
47.7 %	had suffered from one disease.
26.0 %	„ „ two diseases.
9.2 %	„ „ three diseases.
.3 %	„ „ four diseases or over.

In 53.8 % of the cases there was no history obtainable.

Of the 1,517 children inspected, 33.7 % had been vaccinated.



TABLE II.—Shewing the Physical Condition of Children Examined.

Disease.	NUMBER EXAMINED :						
	Entrants under 5 and other Ages.	Age 5	Age 7	Age 12	Special Cases.	Secondary Pupils.	Total.
Malnutrition ... ..	—	3	—	—	—	—	3
Uncleanliness :							
Head ... ..	35	27	50	34	27	4	177
Body ... ..	5	11	20	20	5	1	62
Defective Clothing ... ..	3	10	5	2	4	—	24
<i>Diseases of the Skin :</i>							
Ringworm :							
Head ... ..	3	12	5	—	4	—	24
Body ... ..	—	—	1	2	—	—	3
Scabies ... ..	3	11	8	6	11	1	40
Impetigo... ..	4	8	4	3	5	—	24
Prurigo ... ..	—	3	3	3	—	—	9
Sores ... ..	26	17	33	14	56	—	146
Alopecia ... ..	1	1	1	5	3	—	11
Ichthyosis ... ..	—	2	2	3	—	—	7
Eczema ... ..	—	2	2	2	2	—	8
Uticaria ... ..	—	1	—	—	1	—	2
Acne ... ..	—	—	—	—	—	1	1
<i>Diseases of the Eye :</i>							
Defective Vision ... ..	72	—	118	222	84	15	511
Defective Vision and Squint ... ..	—	—	20	6	—	—	26
Squint ... ..	9	30	5	7	2	2	55
Corneal Opacity ... ..	4	2	5	4	—	—	15
Conjunctivitis ... ..	1	2	2	2	3	1	11
Blepharitis ... ..	6	11	6	3	6	—	32
Nystagmus ... ..	—	—	1	—	—	—	1
Keratitis... ..	—	—	1	—	2	1	4
Chalazion ... ..	1	—	—	—	—	—	1
<i>Diseases of the Ear :</i>							
Defective hearing ... ..	6	11	8	10	12	—	47
Otorrhoea ... ..	11	14	6	5	6	1	43
Otitis ... ..	—	3	1	—	2	—	6
<i>Diseases of Nose and Throat :</i>							
Enlarged Tonsils ... ..	41	162	158	166	14	20	561
Adenoids... ..	18	51	71	32	19	10	201
Enlarged Tonsils and Ad- enoids ... ..	3	12	18	9	—	2	44
Defective Speech ... ..	—	8	4	1	—	1	14
Hyperthrophied Turbinates	2	27	15	7	7	—	58
Pharyngeal Catarrh ... ..	4	21	20	8	7	—	60
Mouth Breather ... ..	—	15	12	1	1	1	30
Polypus ... ..	—	—	1	3	—	—	4
Alveolar Abscess ... ..	1	1	1	1	—	—	4
Deflected Septum ... ..	1	1	—	—	—	1	3
Stomatitis ... ..	—	2	1	—	—	—	3
Epistaxis ... ..	1	—	1	—	2	—	4



TABLE II.—*cont.*      Shewing the Physical Condition of Children Examined.

				NUMBER EXAMINED :						
Disease.				Entrants under 5 and other Ages.	Age 5	Age 7	Age 12	Special Cases.	Secondary Pupils.	Total.
<i>Diseases of the Heart :</i>										
Irregular...	...	...	...	1	3	4	1	1	—	10
Organic	...	...	...	2	9	5	17	—	4	37
Functional	...	...	...	—	1	4	7	1	2	15
Anaemia	...	...	...	2	8	9	14	3	1	37
<i>Diseases of the Lungs :</i>										
Suspected T. B.	...	...	...	—	2	—	—	2	—	4
Bronchitis	...	...	...	3	9	4	1	1	—	18
Bronchial Catarrh	...	...	...	2	5	—	—	—	—	7
<i>Diseases of the Nervous System :</i>										
Chorea	...	...	...	1	—	1	1	1	—	4
Enuresis	...	...	...	2	2	1	1	3	—	9
<i>Non-Pulmonary Tuberculosis :</i>										
Glands	...	...	...	—	—	—	1	—	—	1
Peritonitis	...	...	...	—	—	1	—	1	—	1
Lupus	...	...	...	—	—	—	1	—	—	1
Rickets	...	...	...	4	23	5	3	2	—	37
<i>Deformities :</i>										
Saddle Nose	...	...	...	1	4	—	—	—	—	5
Congenital Fingers	...	...	...	—	—	1	—	—	—	1
Pigeon Breast	...	...	...	—	5	3	2	—	—	10
Knock-knee	...	...	...	2	11	2	—	1	2	18
Bow-legged	...	...	...	10	19	4	4	—	—	37
Spinal Curvature	...	...	...	2	1	2	1	—	2	8
Torticollis	...	...	...	—	2	1	1	—	—	4
Cong. Dis. of Hip	...	...	...	1	1	—	—	1	—	3
Flat Foot	...	...	...	1	—	—	—	—	—	1
Lordosis	...	...	...	1	—	—	—	—	—	1
Curved Skin	...	...	...	4	—	—	—	—	—	4
<i>Other Diseases :</i>										
Debility	...	...	...	5	8	3	8	13	1	38
Enlarged Glands	...	...	...	13	31	70	34	7	6	161
Goitre and Enl. Thyroid	...	...	...	4	3	7	42	1	7	64
Hernia	...	...	...	—	1	—	—	—	—	1
Ganglion	...	...	...	1	1	—	—	1	1	4
Scarlet Fever	...	...	...	—	1	—	—	—	—	1
Diphtheria	...	...	...	—	2	—	—	—	—	2
Whooping Cough	...	...	...	—	2	—	—	—	—	2
Chicken-pox	...	...	...	2	5	—	—	1	—	8
Mumps	...	...	...	—	—	—	—	2	—	2
Intestinal Parasites	...	...	...	1	—	—	—	—	—	1
Infantile Paralysis	...	...	...	2	—	1	—	1	1	5
Tonsillitis	...	...	...	—	2	—	—	—	—	2
Periostitis	...	...	...	—	2	1	—	—	—	3
Total	...	...	...	328	644	738	720	327	89	2846

DENTAL INSPECTION.

During the year the Dentist inspected at the schools 1,188 children of 7 years of age, and found 966 with some defect.

The School Medical Officer inspected 1,573 children of various ages, and found 612 of these with defective teeth.

TABLE SHEWING THE RESULTS OF DENTAL INSPECTION BY THE DENTIST  
AT 7 YEARS OF AGE.

Number Inspected.	Number with sound teeth.		Number with slight defects.		Number requiring urgent treatment.	
1,188	...	222	...	822	...	144

TABLE SHEWING THE RESULTS OF DENTAL INSPECTION BY THE SCHOOL  
MEDICAL OFFICER OF CHILDREN AT VARIOUS AGES.

Ages.	5	6	7	8	9	10	11	12	13	Total
No. with Dental Defects ...	105	20	211	18	17	12	9	220	—	612
No. Examined ...	418	34	446	40	30	27	45	533	—	1573

# DETAILS OF CASES FOLLOWED UP.

Education  
Report.

The following Tables give the nature of the ailment and their after history as far as could be obtained from the teachers or by the School Nurse. Some of the cases were referred to the School Clinic and were followed up there.

## CASES FOUND AT ROUTINE INSPECTION OF ELEMENTARY SCHOOLS

The cases are divided into three groups all of which have been followed up at home, at school, or at the Clinic.

### GROUP I.—DEFECTS FOLLOWED UP FROM PREVIOUS YEARS WHOSE TREATMENT WAS COMPLETED IN 1920.

Total number of children examined of Group I. is..... 647

Total number of defects is..... 762

#### (A) WANT OF CLEANLINESS :—Total 108.

Ages.	5	6	7	8	9	10	11	12	13	14
	2	19	1	20	12	8	8	7	30	1

DEFECT.	Total.	Re-	Left	Im-	Died.
		medied.	School.	proved.	
Nits and Lice .....	85	...	58	...	12
					...
Vermin Marks and Dirty					
Clothes.....	13	...	12	...	1
					...
Dirty Clothes only.....	7	...	7	...	—
					...
Dirty Body.....	3	...	3	...	—
					...

#### (B) DEFICIENT CLOTHING AND FOOTGEAR :—Total 10.

Ages.	5	6	7	8	9	10	11	12	13
	1	2	1	1	—	1	1	1	2

	Total.	Remedied.	Improved.
Deficient Clothing .....	6	... 5	... 1
Deficient Footgear.....	4	... 4	...

Education  
Report.

(c) DISEASES OF THE NOSE AND THROAT :—Total 82.

Ages.	5	6	7	8	9	10	11	12	13	14
	1	24	7	18	9	2	1	2	18	—

Defect.	Total.	Re-medied.	Left School.	Same Cond't'n.	Im-proved.	Dead.
Enlarged Tonsils only	27	19	4	—	2	2
Enlarged Adenoids only .....	19	17	—	—	2	—
Enlarged Adenoids and Tonsils .....	4	4	—	—	—	—
Nasopharyngeal Catarrh.....	23	22	1	—	—	—
Hypertrophied Turbinates.....	4	2	2	—	—	—
Various.....	5	2	2	1	—	—

(D) DISEASES OF THE EAR :—Total 28.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	—	—	4	1	5	1	5	5	2	4	1

Defect.	Total.	Remedied.	Left School.	Im-proved.	Died.
Otorrhoea .....	18	... 13	... 3	... 2	... —
Partial Deafness.....	8	... 8	... —	... —	... —
Various .....	2	... 2	... —	... —	... —

(E) ENLARGED LYMPHATIC GLANDS :—Total 42.

Ages.	5	6	7	8	9	10	11	12	13	14
	1	2	2	17	2	6	4	—	7	1

Defect.	Total.	Remedied.	Improved.	Left School.	Dead.
Enlarged Cervical Glands ...	42	... 35	... 4	... 2	... 1



## (F) SKIN DISEASES :—Total 94.

Education  
Report.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	—	5	25	8	13	10	10	3	7	11	2

Defect.	Total.	Re-medied.	Im-proved.	Same Cond'tn.	Left School.	Died.
Sores on body ...	3	...	3	...	—	...
Sore Head.....	20	...	19	...	—	...
Ringworm {head body	10	...	10	...	—	...
Impetigo.....	27	...	25	...	—	...
Scabies .....	13	...	10	...	—	...
Prurigo .....	6	...	6	...	—	...
Eczema .....	3	...	2	...	—	...
Psoriasis.....	1	...	1	...	—	...
Alopecia.....	8	...	7	...	—	...
Others.....	3	...	3	...	—	...

## (G) DISEASES OF THE EYE :—Total 22.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	—	—	7	1	5	4	1	—	1	3	—

Defects.	Total.	Re-medied.	Im-proved.	Left School.	Same Cond'n.	Died.
Conjunctivitis ...	6	...	6	...	—	...
Blepharitis.....	12	...	11	...	—	...
Iritis .....	1	...	—	...	—	...
Corneal Opacity...	2	...	1	...	—	...
Other Diseases....	1	...	1	...	—	...

## (H) DEFECTIVE VISION AND SQUINT :—Total 267.

Age.	5	6	7	8	9	10	11	12	13	14
	—	4	4	77	34	29	10	19	75	15

Defect	Total	Obtained Glasses with Clinic Prescription and through private doctor	Pre-scription given, parents indifferent	Im-proved	Treatment not recom-mended	Notified, but no response	Treatment Refused	Left School	Wearing suitable Glasses at In-spection	Same con-dition	Died
ef. Vis. only	255	140	44	6	3	1	10	47	4	—	—
quint only ..	6	4	1	—	—	—	—	1	—	—	—
ef. Vis. & Sq.	6	5	1	—	—	—	—	—	—	—	—

Education  
Report.

(I) DEFORMITIES AND DEVELOPMENTAL ABNORMALITIES :--Total 25.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	3	—	6	2	4	2	1	2	1	3	1

Defects.	Total.	Re-medied.	Same Con-dition.	Left School.	Im-proved.	Wearing Sup-ports.
Knock Knee .....	7	3	1	1	2	—
Bow-legged .....	3	1	—	1	1	—
Pigeon Breast .....	—	—	—	—	—	—
Torticollis .....	3	2	—	—	1	—
Spinal Curvature.....	1	—	—	—	1	—
Developmental Abnormalities .....	5	1	1	2	1	—
Others.....	6	5	1	—	—	—

(J) OTHER DEFECTS :--Total 84.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	1	1	20	10	13	5	7	5	2	20	—

Defects.	Total.	Re-medied.	Im-proved.	Same Condition.	Left School.	Wearing Support.	Dead.
Rickets .....	15	5	5	2	3	—	—
Lung and Bronchial Diseases .....	15	9	1	—	5	—	—
Organic Disease of Heart .....	11	2	1	—	7	—	1
Functional Disease of Heart.....	—	—	—	—	—	—	—
Non-pulmonary Tuberculosis.....	—	—	—	—	—	—	—
Anaemia.....	4	1	3	—	—	—	—
Infantile Paralysis and other Paralysis..	—	—	—	—	—	—	—
Chorea.....	2	—	—	—	1	—	1
Goitre.....	3	—	—	1	2	—	—
Defective Speech ...	3	1	2	—	—	—	—
Dull and Backward	2	—	1	—	1	—	—
Various .....	29	20	2	2	5	—	—

GROUP II.—DEFECTS DISCOVERED DURING 1920. OBSERVATION AND Education  
TREATMENT COMPLETED DURING 1920. Report.

Total number of children examined of Group II..... 429

Total number of defects..... 470

(A) WANT OF CLEANLINESS AND DEFECTIVE CLOTHING :—Total 42

Ages.	3	4	5	6	7	8	9	10	11	12	13
	—	1	13	1	9	1	3	2	1	10	1

Defect.	Total.	Remedied.	Improved.	Left School.			
Nits and Lice .....	16	...	16	...	—	...	—
Dirty Body and Clothing	14	...	13	...	—	...	1
Vermin Marks .....	10	...	10	...	—	...	—
Footgear.....	2	...	2	...	—	...	—

(B) DISEASES OF THE EYES :—Total 22.

Ages.	4	5	6	7	8	9	10	11	12
	1	3	3	5	4	3	1	1	1

Defect.	Total.	Remedied.	Improved.	Cond'tn.	Same	Left School
Conjunctivitis .....	7	...	7	...	—	—
Blepharitis.....	15	...	14	...	—	1
Corneal Opacity ...	—	...	—	...	—	—
Others.....	—	...	—	...	—	—

(C) DEFECTIVE VISION AND SQUINT :—Total 94.

Ages.	5	6	7	8	9	10	11	12	13
	4	2	19	9	8	7	8	35	2

Defect	Total	Glasses obtained with Clinic Prescription and through private doctor	Improved	Pre-scription given parents indifferent	Treatment not recommended	Notified but no response	Left School	Had suitable glasses at inspection	Same condition	Dead
Def. Vision only ..	87	38	—	9	5	—	6	28	—	1
Squint only .....	2	2	—	—	—	—	—	—	—	—
Def. Vis. & Squint	5	5	—	—	—	—	—	—	—	—



Education  
Report.

(D) DISEASES OF THE NOSE AND THROAT :—Total 64.

Ages.	4	5	6	7	8	9	10	11	12	13
	—	19	1	16	5	5	3	2	13	—

Defect.	Total.	Remedied.		Improved.		Left School.	
Enlarged Tonsils only.....	27	...	21	...	2	...	4
Enlarged Adenoids only....	10	...	7	...	—	...	3
Enlarged Tonsils and Ade- noids .....	—	...	—	...	—	...	—
Nasopharyngeal Catarrh...	24	...	23	...	—	...	1
Hypertrophied Turbinates	—	...	—	...	—	...	—
Various .....	3	...	3	...	—	...	—

(E) DISEASES OF THE EARS :—Total 30.

Ages.	4	5	6	7	8	9	10	11	12
	1	9	—	6	2	2	3	—	7

Defect.	Total.	Remedied.	Left School.	Improved.			
Otorrhoea .....	4	...	2	...	1	...	1
Partial Deafness.....	19	...	18	...	1	...	—
Various .....	7	...	6	...	1	...	—

(F) ENLARGED LYMPHATIC GLANDS :—Total 32.

Ages.	4	5	6	7	8	9	10	11	12	13
	1	8	1	10	—	2	2	—	8	—

Defect.	Total.	Remedied.	Improved.	Left School.			
Enlarged Glands .....	32	...	30	...	—	...	2
Tubercular Glands .....	—	...	—	...	—	...	—

(G) SKIN DISEASES :—Total 123.

Ages.	3	4	5	6	7	8	9	10	11	12	13
	—	7	35	6	27	12	11	7	5	12	1



Defect.	Total.	Re-medied.	Im-proved.	Left School.	Same Condition.	Died.	Education Report.
Sore Head.....	40	...	39	...	—	...	—
Sores on body ...	13	...	12	...	—	...	—
Ringworm	(head	10	...	10	...	—	...
	(body	4	...	4	...	—	...
Impetigo.....	13	...	13	...	—	...	—
Scabies .....	23	...	23	...	—	...	—
Prurigo .....	3	...	3	...	—	...	—
Psoriasis.....	—	...	—	...	—	...	—
Alopecia.....	4	...	4	...	—	...	—
Others.....	13	...	13	...	—	...	—

(H) DEFORMITIES AND DEVELOPMENTAL ABNORMALITIES : —  
Total 7.

Ages.	3	4	5	6	7	8	9	13
	—	—	3	1	2	—	—	1

Defect.	Total.	Re-medied.	Im-proved.	Same Condition.	Wearing Supports
Bowlegged.....	2	...	2	...	—
Pigeon Breast .....	2	...	1	...	1
Spinal Curvature.....	2	...	—	...	2
Developmental Abnormalities .....	—	...	—	...	—
Various .....	1	...	1	...	—

(I) OTHER DEFECTS :—Total 54.

Ages.	4	5	6	7	8	9	10	11	12	13
	—	14	1	11	4	2	4	1	15	2

Defect.	Total.	Re-medied.	Im-proved.	Left School.	Same Condition.	Wearing Supports.	Dead.
Lung and Bronchial Diseases .....	13	12	—	1	—	—	—
Rickets .....	1	1	—	—	—	—	—
Infantile Paralysis...	—	—	—	—	—	—	—
Goitre.....	3	2	—	1	—	—	—
Defective Speech ...	—	—	—	—	—	—	—
Chorea.....	2	1	—	1	—	—	—
Anaemia.....	8	7	—	1	—	—	—
Various .....	27	23	—	2	2	—	—

Education  
Report.

(J) INFECTIOUS DISEASES :—Total 2.

Ages.	4	5	6	7	8	9	10	11
	—	—	1	1	—	—	—	—

	Total.	Remedied.
Chicken Pox.....	2	... 2

GROUP III.—DEFECTS STILL UNDER OBSERVATION IN 1920.

Total number of children examined of Group III. is 2,756.  
Total number of defects is 3,098.

(A) WANT OF CLEANLINESS :—Total 255.

Ages.	3	4	5	6	7	8	9	10	11	12	13	14
	—	10	38	18	49	30	19	18	17	43	10	3

Nits and Lice, 168. Dirty Body and Clothing, 44. Vermin Marks, 43.

(B) DEFICIENT CLOTHING AND FOOTGEAR :—Total 22.

Ages.	3	4	5	6	7	8	9	10	11	12	13
	1	1	7	4	2	2	—	2	1	1	1

Defective Clothing, 7. Defective footgear, 15.

(C) DISEASES OF THE EYES :—Total 89.

Ages.	4	5	6	7	8	9	10	11	12	13
	8	19	8	15	7	7	5	4	14	2

Blepharitis, 37. Conjunctivitis, 12. Corneal Opacity, 23.  
Various, 12. Keratitis, 5.

## (D) DEFECTIVE VISION AND SQUINT :—Total 732.

Education  
Report.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	6	34	18	226	92	41	45	43	191	34	2

Defective Vision only, 627. Squint only, 78. Defective Vision and Squint, 25. Coloboma, 2.

## (E) DISEASES OF THE NOSE AND THROAT :—Total 749.

Ages.	3	4	5	6	7	8	9	10	11	12	13	14
	—	2	178	53	155	95	36	32	31	145	18	4

Tonsils only, 385. Adenoids only, 169. Tonsils and Adenoids, 40. Mouth Breather, 49. Hypertrophied Turbinates, 45. Naso-Pharyngeal Catarrh, 40. Various, 4. Deflected Septum, 17.

## (F) DISEASES OF THE EARS :—Total 191.

Ages.	4	5	6	7	8	9	10	11	12	13	14
	4	28	20	31	21	15	14	12	40	5	1

Otorrhoea, 99. Partial Deafness, 67. Various, 25.

## (G) ENLARGED LYMPHATIC GLANDS :—Total 150.

Ages.	4	5	6	7	8	9	10	11	12	13
	4	25	10	41	23	9	8	6	21	3

Enlarged Glands, 138. Tubercular Glands, 12.

## (H) SKIN DISEASES :—Total 197.

Ages.	3	4	5	6	7	8	9	10	11	12	13	14
	2	16	36	16	49	13	4	11	8	37	4	1

Ringworm, 21. Impetigo, 12. Sore Head, 62. Sore on Body, 17. Prurigo, 5. Scabies, 30. Alopecia, 12. Eczema, 15. Psoriasis, 7. Various, 12.

Education  
Report.

(I) DEFORMITIES AND DEVELOPMENTAL ABNORMALITIES : Total 169.

Ages.	3	4	5	6	7	8	9	10	11	12	13	14
	3	11	55	23	26	18	13	3	4	8	4	1

Bowlegged, 61. Club Foot, 1. Pigeon Breast, 13. Knock Knee, 37.  
Spinal Curvature, 12. Developmental Abnormalities, 30.  
Torticollis, 10. Malformation of Chest 5.

(J) OTHER DEFECTS :—Total 531.

Ages	3	4	5	6	7	8	9	10	11	12	13	14
	—	10	79	54	67	70	25	41	35	128	18	4

Organic Disease of Heart, 66. Functional Disease of Heart, 22.  
Enlarged Thyroid, 61. Rickets, 88. Infantile Paralysis, 8.  
Pyorrhoea Alveolaris, 5. Dull, 31. Lung and Bronchial Disease,  
57. Chorea 7. Anaemia, 18. Defective Speech, 32. Non-  
pulmonary Tuberculosis, 10. Enuresis, 7. Epilepsy, 5.  
Various, 114.

(K) INFECTIOUS DISEASES :—Total 13.

Ages.	4	5	6	7	11
	1	8	2	1	1

Chicken Pox, 9. Mumps, 2. Diphtheria, 1. Scarlet Fever, 1.

Following-up of Eye and Dental cases is referred to on  
pages 30 and 31.



## HIGH SCHOOL FOR GIRLS.

Education  
Report.

Section 18 of the Education Act provides :

“ The local education authority for the purposes of Part II. of the Education Act, 1902, shall have the same duties and powers with reference to making provision for the medical inspection and treatment of children and young persons attending—

“ (1) Secondary schools provided by them.”

In accordance with the above, the pupils at the High School were medically inspected at the latter end of the year, and the results of the inspection are shown below.

The ages of the pupils inspected are as follows :—

Ages.	9	10	11	12	13	14	15	16	17	18	Total
	1	6	24	54	31	9	24	14	3	—	166

The total number of defects found ... 89

*Want of cleanliness :*

Nits...	...	...	...	4
Vermin Marks	...	...	...	1

*Diseases of the Eye :*

Conjunctivitis	...	...	...	1
Keratitis	...	...	...	1

*Defective Vision and Squint :*

Defective Vision	...	...	...	15
Squint	...	...	...	2

*Diseases of the Nose and Throat :*

Tonsils only	...	...	...	20
Adenoids only	...	...	...	10
Tonsils and Adenoids	...	...	...	2
Mouth Breather	...	...	...	1
Deflected Septum...	...	...	...	1

*Diseases of the Ear :*

Otorrhoea	...	...	...	1
-----------	-----	-----	-----	---

*Enlarged Lymphatic Glands :*

Cervical	...	...	...	3
----------	-----	-----	-----	---

*Skin Diseases :*

Scabies	...	...	...	1
Acne	...	...	...	1

*Deformities and Developmental Abnormalities :*

Knock-knee	...	...	...	2
Spinal Curvature	...	...	...	2
Developmental abnormalities	...	...	...	1

*Other Defects :*

Organic disease of heart	...	...	...	4
Functional „ „	...	...	...	2
Goitre	...	...	...	7
Infantile Paralysis	...	...	...	1
Pyorrhoea Alveolaris	...	...	...	1
Anaemic	...	...	...	1
Defective Speech	...	...	...	1
Ganglion	...	...	...	1
Debility	...	...	...	1
Nervous	...	...	...	1

Total ... 89

### THE SCHOOL CLINIC.

This is situate at the Old Technical School in Elizabeth Street. It is convenient of access, and situated centrally as regards the Schools.

It contains :—

- (a) A waiting room capable of accommodating eighty children at any one time.
- (b) A consulting room.
- (c) A dressing room.
- (d) An X-ray room.
- (e) Lavatories.

The consulting and dressing room are also for dental purposes, the former being fully equipped as a dental surgery, and the latter as a recovery room.

The School Clinic consists of :—

- (a) An Inspection Clinic.—On Tuesday and Thursday afternoons.
- (b) A Treatment Clinic.—Daily.
- (c) A Dental Clinic.—On Monday, Wednesday and Friday mornings.
- (d) An Eye Clinic.—Friday mornings.

### THE INSPECTION CLINIC.

This is held weekly at the School Clinic on Tuesday and Thursday afternoons.

Here all absentees, not certified by private medical practitioners as unfit to attend school, are sent by the Attendance Officers ; some children inspected at the school are also directed by the Medical Officer to attend at the Clinic for further examination ; also a number are sent by the teachers, when they want some advice as to the condition of the child, which does not allow of waiting until the Medical Officer next visits the school.

In this way practically the whole of the children who are suffering from any ailment are kept under constant supervision, for in many cases the private medical practitioner refers children to the Clinic.

The result has been that a number of children with incipient chest disease have come under the notice of the Tuberculosis Officer who always attends this Clinic, and have been referred to the Dispensary for treatment, and this with the concurrence of their own medical man. Education Report.

The Staff at the Clinic consists of the Deputy School Medical Officer (Tuberculosis Officer), the Assistant School Medical Officers, two School Nurses and two Clerks.

The School Nurses receive directions as to the following up of the cases. This generally refers to minor cases, such as otorrhoea, ringworm, impetigo, etc. The Nurses' orders are to see that where necessary the advice of a medical man is obtained, and, if obtained, to see that his directions are followed, and, if required, to assist in carrying them out.

Children whom the Medical Officer finds to be suffering from such minor ailments, are in many cases advised, if not already under the care of a medical man, to attend daily at the treatment clinic, or if the treatment can be as satisfactorily carried out in their homes by the parents, the school nurses are instructed to visit such homes, and advise the parents as to how to carry out the necessary treatment, ointments or other remedies being provided at the expense of the Local Education Authority.

In addition to the Nurses there are attached to the Medical Officer's staff, Health Visitors and Sanitary Inspectors who are all requisitioned as required to follow up any child whose condition calls for it, or to investigate any condition with regard to the home that may call for attention.

Records for all the children attending are filed and an entry made on these at each visit.

During the year 570 children have attended the Inspection Clinic, and 3,295 examinations and re-examinations have been made by the Medical Officers. At the schools 3,832 have been re-examined by the Medical Officer.

The following is a tabulated statement of the nature of the various ailments for which these children were presented to the Medical Officer, and the history of each as far as obtainable.

Education  
Report.

Of the 570 children who attended 218 were sent to school as they did not show any disability or that it was of a very slight nature. The remaining 352 children were found to be suffering from the following complaints :—

Heart Disease and Bronchial Catarrh .....	20
Ænaemia and Debility .....	33
Diseases of Nose and Throat.....	4
Enlarged Glands.....	2
Diseases of the Eye.....	6
Mumps.....	10
Septic Sores.....	7
Tubercular Hip .....	1
Phthisis .....	1
Tubercular Glands.....	2
Tubercular Knee .....	2
Ringworm .....	110
Sore Head .....	7
Scabies.....	68
Other Skin Diseases.....	43
Otorrhoea.....	2
Other Defects.....	34
	—
TOTAL.....	352
	—

They were dealt with as follows :—

Attended for Treatment at the School Clinic	185
Attended for Treatment at the Tuberculosis Dispensary .....	7
Had treatment from their own Doctor.....	20
No further treatment recommended.....	140



THE TREATMENT CLINIC.

Education  
Report.

This Clinic is for the treatment of minor ailments, such as impetigo, sorehead, chronic eye and ear disease, etc., the X-ray treatment of ringworm, the examination of children suffering from defective eyesight, the prescription of glasses where necessary, and the treatment of dental cases referred by the Dentist and the Assistant School Medical Officer at the routine inspection of school children.

The children who attend at this Clinic are :—

- (a) Those found to be suffering from some minor ailment at the routine medical inspection of schools.
- (b) Those referred from the Inspection Clinic.
- (c) Special cases referred by teachers.
- (d) Dental cases referred by the Dentist and School Medical Officer at routine inspection of schools.
- (e) Defective vision referred from routine and special inspections.

The treatment of minor ailments is carried out by the School Nurses under the supervision of the School Medical Officer or his Assistants. In many cases a daily attendance is necessary, in others the parents carry out the treatment at their homes, and only pay a weekly visit to the Clinic.

In the Table appended below, particulars of this part of the work will be found.

No. of cases attending on January 1st, 1920 .....	84
No. of cases attending on December 31st, 1920.....	97
No. of new cases during the year .....	1573
No. of cases discharged .....	1560
No. of attendances .....	16815

DETAILED SUMMARY.

NEW CASES.					OLD CASES.		
		Attend-		No. dis-			No. dis-
		No.	ances.	charged	No.	ances.	charged
Ringworm...	...	196	2444	165	45	555	44
Impetigo ...	...	209	1835	205	7	14	7
Sorehead ...	...	165	1117	162	4	50	4
Otorrhoea ...	...	106	1421	96	3	91	2
Wax in ears	...	23	158	21	—	—	—
Conjunctivitis	...	88	1158	86	2	43	2
Blepharitis	...	94	1309	86	1	18	1
Corneal Ulcer	...	8	172	7	2	8	2
Septic sores	...	390	3267	375	15	104	15
Various ...	...	294	2976	276	5	75	4
Total ...	...	1573	15857	1479	84	958	81

Education  
Report.

SUMMARY OF VISITS BY THE SCHOOL NURSES.

During the year 701 visits were paid to 585 new cases and 28 old cases.

Treatment of Ringworm.

An endeavour has been made to persuade parents to allow a child suffering from ringworm in all cases to attend at the School Clinic where they are either treated by ointments or by the X-rays. This has resulted in considerably shortening the period of absence from School. During the year 241 cases have been treated at the School Clinic, and of these 33 were treated by X-rays, with the result shewn in the Table appended below :—

TABLE SHEWING THE RESULTS OF TREATMENT BY X-RAYS.

Number of children treated ..... 33

RESULTS.

2 children were sent back to School after 2 weeks.				
10	„	„	„	3 „
7	„	„	„	4 „
2	„	„	„	5 „
3	„	„	„	6 „
4	„	„	„	7 „
1 child was	„	„	„	8 „
1	„	„	„	12 „
3 cases were still under treatment at the end of the year.				

EYE CLINIC.

Two Ophthalmic Surgeons are engaged and attend alternately on one morning per week to carry out refractions, and also to give advice on any of the more serious eye defects.

The Tables given below gives in detail the work carried out in the Eye Clinic.

550 cases were enquired into with the following results :—

Number of Prescriptions given .....	364	—	72.66 %
Number obtained glasses from own doctor .....	36	—	7.17 %
Oculist does not advise glasses .....	28	—	5.59 %
Number indifferent.....	62	—	12.39 %
Number removed.....	4	—	.79 %
Number left School .....	7	—	1.4

Forty-nine of the cases were being followed up by the School Nurse. Education Report.

The total number of attendances at the Eye Clinic was 694.

The total number of visits by the School Nurse was 448.

### DENTAL CLINIC.

The work of the Clinic was re-arranged after the Summer holidays, two Dentists being retained to carry out the treatment at this Clinic on three mornings each week, the children being referred to this Clinic by the School Medical Officer, where formerly the Dentist had inspected at the School, and referred them himself.

During the year 2,304 cases were notified as requiring treatment.

Each case was visited by the School Nurse, with the following results :

1,152 attended the Dental Clinic .....	50 %
641 attended their own Dentist .....	27.8 %
12 did not obtain treatment on the advice of their medical practitioner .....	.52 %
15 left the town and no after history ....	.65 %
401 were indifferent .....	17.4 %

83 of the cases were being followed up by the School Nurse.

The total number of treatments at the Dental Clinic was 1,366.

The total number of visits paid by the Nurse was 2,530.

### Nature of Treatments.

Extractions .....	3088
Fillings.....	173
Scalings.....	1024
Dressings .....	12

**OPEN-AIR SCHOOL.**

The routine of the school is as follows :—

School opens at 9 o'clock ; the children have breakfast on arrival. Lessons at 9.30 a.m. ; dinner at 12.30 ; rest hour in winter from 1 to 2 o'clock, summer, 1 to 3 o'clock ; lessons ; tea, 4.15. In the winter the school was dismissed at 4, but is now dismissed at 5.15 for the summer.

The benefit of regular hours and regular food, along with the moral and mental discipline, also the absence of the mental worry of school work on the ailing child, is well shewn by the high percentage of attendance of the 41 children included in the School, viz., 93 per cent.

The children have been periodically inspected.

Owing to the increased accommodation which was expected to be available before the end of the year—to allow another 80 children to attend—there appeared no urgent need to create vacancies by discharging where definite improvement has taken place, except in two instances.

During the year 7 children were admitted for the following reasons :—

Anaemia	...	...	...	...	...	2
Pre-tubercular	...	...	...	...	...	2
Suspected Tuberculosis of bone				...		1
„ „ „ glands				...		1
Chorea	...	...	...	...	...	1
Total						<hr/> 7 <hr/>

Of the seven children who left school during the year :—

Two were discharged as improved, and able to resume ordinary school ;

Four left for medical or surgical treatment, on parents' request ; of these one has since died of abdominal tuberculosis.



One was sent to sanatorium for observation for abdominal tuberculosis. Education  
Report.

The average stay at the school of these was 12 months, and the average gain in weight  $11\frac{1}{2}$ -lbs.

Of those remaining :—

35 children who attended 12 months showed an average gain of  $7\frac{1}{2}$  lbs.

5	„	„	„	8	„	„	„	„	„	7	„
1 child	„	„	„	4	„	„	„	„	„	5	„

The total number remains as last year—41.

INFECTIOUS DISEASES OF SCHOOL CHILDREN.

The legally notifiable diseases amongst school children notified to the Medical Officer of Health were as follows :—

Disease.	Total Notified.	Total at school age.			Total Deaths	Total deaths of school children.	
Scarlet Fever.....	176	...	117	...	3	...	2
Diphtheria and Mem- branous Croup .....	96	...	50	...	9	...	5
Typhoid Fever.....	9	...	1	...	2	...	—
Phthisis.....	118	...	10	...	76	...	4
Other forms of Tuber- culosis.....	65	...	18	...	37	...	4
Erysipelas.....	77	...	3	...	3	...	—
Measles .....	290	...	135	...	4	...	—
Primary and Influenzal Pneumonia .....	99	...	14	...	73	...	3

A Table shewing the distribution of these children as regards the schools attended is given later.

The infectious diseases, not legally notifiable, but notified from the schools are Mumps, Whooping Cough and Chicken-pox.

A Table is given shewing the numbers notified by the teachers from each of the schools.

**Measles.**—From an analysis of the notifications it was found that 107 cases occurred amongst children of school age, and 164 amongst those under school age.

During the year 7 deaths occurred, none of these, however, were of school age.

**Influenza.**—From the Death Returns the ages at which the children died are as follows :—

Under 1.	1 yr. to 2 yrs.	2 yrs. to 5 yrs.	5 to 13 yrs.
—	...	—	...
			1

**Chicken-Pox.**—115 cases of Chicken-pox were notified from the various schools.

**Whooping Cough.**—During the year 33 cases were notified from the schools.

A list of houses where there are persons suffering from Infectious Diseases is sent weekly from the Public Health Department to the Education Office in order that the Attendance Officers may see that no child attends school from an infected house. <sup>Education Report.</sup>

A detailed summary is appended below of the homes of school children where cases of Infectious Disease occurred.

#### **Notifiable Diseases.**

Scarlet Fever occurred at.....	133	homes.
Diphtheria and Membranous Croup occurred at..	61	„
Typhoid Fever occurred at .....	3	„
Phthisis occurred at .....	55	„
Other Forms of Tuberculosis occurred at .....	40	„
Erysipelas occurred at .....	7	„
Measles occurred at .....	211	„
Dysentery .....	1	„
Primary Pneumonia .....	19	„

#### **Non-Notifiable Diseases.**

Whooping Cough occurred at .....	28	homes.
Chicken-pox occurred at .....	109	„
Mumps occurred at .....	323	„

TABLE 1.—Shewing number of Cases of Legally Notifiable Infectious Diseases, and the Schools these children attended.

SCHOOL.	Pneumonia.		Scarlet Fever.		Diphtheria.		Membranous Croup.		Typhoid Fever.		Erysipelas.		Measles.		Total.	
	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.	Under 5.	Over 5.
ABEL STREET.....	..	1	..	10	1	5	..	..	..	..	..	2	1	18	..	..
BACK LANE.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BURNLEY WOOD.....	..	1	..	2	..	8	..	..	..	2	..	7	2	20	..	..
CLAREMONT.....	..	1	..	2	..	1	..	..	..	..	..	..	..	4	..	..
COAL CLOUGH.....	..	..	..	13	..	2	..	..	..	7	1	8	1	23	..	..
FULLEDGE.....	..	..	..	2	..	..	..	..	..	..	..	18	7	20	..	..
HABERGHAM.....	..	..	..	..	..	1	..	..	..	1	..	9	1	10	..	..
HARGHER CLOUGH.....	..	1	..	3	..	..	..	..	1	..	..	1	..	6	..	..
HEALEY WOOD.....	..	1	..	3	..	1	..	..	..	1	..	1	..	7	..	..
HEASANDFORD.....	..	1	..	12	..	2	..	..	..	..	..	24	6	39	..	..
HOLY TRINITY.....	..	..	..	5	..	1	..	..	..	..	..	..	..	6	..	..
LANE HEAD.....	..	..	..	1	..	2	..	..	..	..	..	8	1	3	..	..
LOWERHOUSE.....	..	..	..	1	..	..	..	..	..	..	..	..	..	9	..	..
PICKUP CROFT.....	..	1	..	..	2	..	..	..	..	..	..	..	2	1	..	..
RED LION STREET.....	..	..	..	2	..	..	..	1	..	..	..	..	1	4	..	..
ROSEGROVE.....	..	1	..	3	1	1	..	..	..	3	..	5	4	16	..	..
ST. ANDREW'S.....	..	..	1	11	..	..	..	..	..	..	..	1	..	1	..	..
ST. AUGUSTINE'S.....	..	..	..	..	..	..	..	..	..	..	..	1	..	4	..	..
ST. JAMES'S.....	..	..	..	3	..	..	..	..	..	..	..	..	2	8	..	..
ST. JOHN'S, Ivy Street	..	..	..	6	1	2	..	..	..	1	..	..	1	9	..	..
ST. JOHN'S, Gannow ..	..	..	..	5	..	3	..	..	..	..	3	1	..	13	..	..
ST. MARY'S.....	..	1	..	4	..	5	..	..	..	..	..	3	3	6	..	..
ST. MARY MAGDALENE ..	..	2	..	3	..	1	..	..	..	..	..	..	..	1	..	..
ST. PAUL'S.....	..	1	..	..	..	..	..	..	..	..	..	4	1	5	..	..
ST. PETER'S.....	..	1	..	..	..	5	..	..	..	1	..	..	1	2	..	..
ST. STEPHEN'S.....	..	..	2	3	..	..	..	..	..	..	..	..	2	6	..	..
ST. THOMAS'S.....	..	..	..	6	..	1	..	..	..	..	..	1	..	2	..	..
STONEYHOLME.....	..	..	..	6	..	1	..	..	..	..	..	1	..	5	..	..
TODMORDEN ROAD.....	..	..	..	3	..	1	..	..	..	..	..	..	..	1	..	..
WHITTLEFIELD.....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
WOOD TOP.....	..	..	1	3	..	..	..	..	..	..	..	7	2	10	..	..
PRIVATE SCHOOL.....	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..
HIGH SCHOOL.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRAMMAR SCHOOL.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OPEN AIR SCHOOL.....	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	2
TOTAL.....	..	14	4	113	5	44	..	1	..	1	3	107	28	37	283	..

TOTAL NOTIFIED TO  
M.O.H. AT ALL AGES }

99

176

90

6

9

77

290

747



**TABLE 2.—Shewing number of cases of other Infectious Diseases notified from the various Schools during the year 1920.**

SCHOOL.	Whooping Cough.	Chicken- pox.	Mumps.	Other Diseases.	Total.
Abel Street .....	2	6	45	10	63
Back Lane .....	1	..	..	..	1
Blind School .....	..	..	..	..	..
Burnley Wood.....	18	6	43	9	76
Claremont.....	..	..	4	..	4
Coal Clough .....	8	28	39	4	79
Deaf School .....	..	..	..	..	..
Fulledge .....	..	..	..	..	..
Habergham .....	..	1	..	..	1
Hargher Clough .....	..	1	53	3	57
Healey Wood .....	..	..	..	..	..
Heasandford.....	1	2	..	..	3
Holy Trinity .....	..	7	10	1	18
Lane Head .....	1	..	..	..	1
Lowerhouse .....	1	..	1	6	8
Pickup Croft.....	..	3	3	..	6
Red Lion Street.....	..	..	11	..	11
Rosegrove.....	..	..	25	..	25
St. Andrew's.....	..	..	..	..	..
St. Augustine's.....	..	..	..	..	..
St. James'.....	..	7	27	5	39
St. John's, Ivy Street..	..	..	..	..	..
St. John's, Gannow....	..	7	49	..	56
St. Mary's.....	..	..	..	..	..
St. Mary Magdalene ..	..	6	..	..	6
St. Paul's .....	..	..	1	..	1
St. Peter's.....	..	..	..	..	..
St. Stephen's .....	..	4	5	1	10
St. Thomas' .....	..	6	1	1	8
Stoneyholme.....	..	26	17	..	43
Todmorden Road ....	1	..	1	..	2
Whittlefield .....	..	4	11	1	16
Wood Top .....	..	1	22	..	23
TOTAL .....	33	115	368	41	557

TABLE 3.—AVERAGE HEIGHT AND WEIGHT OF CHILDREN  
AGE 5 YEARS.

	Boys.	Boys.		Girls.	Girls.
	1919.	1920.		1919.	1920.
Number Inspected .....	1070	774	...	944	743
Average Height in inches.....	41.2	41.3	...	41.7	41.0
Average Weight in pounds ..	38.7	38.7	...	37.4	38.0

TABLE 4.—AVERAGE HEIGHT AND WEIGHT OF CHILDREN  
AGE 7 YEARS.

	Boys.	Boys.		Girls.	Girls.
	1919	1920.		1919.	1920.
Number Inspected .....	957	762	...	1001	760
Average Height in inches ...	45.2	45.3	...	44.9	44.9
Average Weight in pounds..	44.5	45.9	...	44.3	45.0

TABLE 5.—AVERAGE HEIGHT AND WEIGHT OF CHILDREN  
AGE 12 YEARS.

	Boys.	Boys.		Girls.	Girls.
	1919.	1920.		1919.	1920.
Number Inspected .....	990	907	...	953	853
Average Height in inches ...	54.3	54.4	...	54.5	54.5
Average Weight in pounds..	68.7	68.6	...	69.4	69.4

## ELEMENTARY SCHOOL CHILDREN.

TABLE I.—NUMBER OF CHILDREN INSPECTED—1st JANUARY, 1920,  
TO 31st DECEMBER, 1920.

## A. "CODE" GROUPS.

Age.		Entrants.					Total.
		3	4	5	6	Other Ages.	
Boys.....		103	255	774	55	—	1187
Girls.....		98	256	743	62	—	1159
Totals.....		201	511	1517	117	—	2346
Intermediate Group.							
Age.		Leavers.				Total.	Grand Total.
		8	12	13	14	Other Ages.	
Boys.....	—	907	—	—	—	169	2263
Girls.....	—	853	—	—	—	251	2263
Totals.....	—	1760	—	—	—	420	4526

## B. GROUPS OTHER THAN "CODE." \*

(1)	Intermediate Group other than 8 years). (2)	Special Cases. (3)	Re-examinations) (i.e., No. of Chil- dren Re-examined (4)
Boys.....	(Age 7). 762	190	} 3832
Girls.....	760	228	
Totals.....	1522	418	3832

\* In areas where routine inspections have been suspended and the "ailing children" basis adopted, the number of children inspected should be entered in Column 3.

## ELEMENTARY SCHOOL CHILDREN.

## TABLE II.—RETURN OF DEFECTS

FOUND IN THE COURSE OF MEDICAL INSPECTION IN 1920.

Defect or Disease.  (1)	CODE GROUPS.		SPECIALS.	
	Number referred for Treatment.  (2)	Number requiring to be kept under obser- vation, but not re- ferred for Treatment  (3)	Number referred for Treatment.  (4)	Number requiring to be kept under obser- vation, but not re- ferred for Treatment  (5)
Malnutrition .....	3	—	—	—
Uncleanliness :				
Head .....	111	—	27	—
Body .....	51	—	5	—
Skin : Ringworm :				
Ringworm : Head .....	17	—	4	—
Body .....	3	—	—	—
Scabies.....	25	—	11	—
Impetigo.....	15	—	5	—
Other Diseases .....	90	7	62	—
Eye :				
Defective Vision and Squint .....	382	26	83	3
External Eye Disease .....	39	—	11	—
Ear :				
Defective Hearing.....	29	—	12	—
Ear Disease .....	29	—	8	—
Teeth :				
Dental Disease (see N.B.—(2) below)....				
Nose and Throat :				
Enlarged Tonsils .....	486	—	14	—
Adenoids.....	154	—	19	—
Enlarged Tonsils and Adenoids.....	39	—	—	—
Defective Speech .....	—	13	—	—
Heart and Circulation :				
Heart Disease : Organic.....	31	—	—	—
Functional .....	12	—	1	—
Anaemia.....	30	1	3	—
Lungs :				
Pulmonary Tuberculosis : Definite .....	—	—	—	—
Suspected ....	2	—	2	—
Chronic Bronchitis .....	14	—	1	—
Other Disease .....	5	—	—	—
Nervous System :				
Epilepsy.....	—	—	—	—
Chorea.....	2	—	1	—
Other Disease .....	4	—	—	3
Non-Pulmonary Tuberculosis :				
Glands.....	1	—	—	—
Bones and Joints .....	—	—	—	—
Other Forms.....	2	—	—	—
Rickets.....	28	3	2	—
Deformities.....	54	10	2	—
Other Defects or Diseases .....	383	1	46	2



**ELEMENTARY SCHOOL CHILDREN.** TABLE III.—NUMERICAL RETURN OF ALL EXCEPTIONAL CHILDREN IN THE AREA IN 1920.

	Boys.	Girls.	Total.
<i>Blind (including partially Blind)—</i>			
Attending Public Elementary Schools .....	—	—	—
Attending Certificate Schools for the Blind...	2	7	9
Not at School.....	—	—	—
<i>Deaf and Dumb (including partially Deaf)—</i>			
Attending Public Elementary Schools .....	—	—	—
Attending Certificate Schools for the Deaf...	7	7	14
Not at School.....	—	—	—
<i>Mentally Deficient—</i>			
<i>Feeble-minded :</i>			
Attending Public Elementary Schools .....	—	—	—
Attending Certificate Schools for Mentally Defective Children.....	81	64	145
Notified to the Local (Control) Authority during the year .....	9	6	15
Not at School.....	—	—	—
<i>Imbeciles :</i>			
At School.....	—	—	—
<i>Idiots :</i>			
Not at School.....	4	—	4
<i>Epileptics—</i>			
Attending Public Elementary Schools .....	—	—	—
Attending Certificate Schools for Epileptics...	—	—	—
Not at Schools .....	7	4	11
<i>Physically Defective—</i>			
<i>Pulmonary Tuberculosis :</i>			
Attending Public Elementary Schools .....	18	26	44
Attending Certificate Schools for Physically Defective Children .....	—	—	—
Not at School .....	—	—	—
<i>Other Forms of Tuberculosis :</i>			
Attending Public Elementary Schools .....	53	38	91
Attending Certificate Schools for Physically Defective Children.....	—	—	—
Not at School.....	—	—	—
<i>Cripples and others than Tubercular :</i>			
Attending Public Elementary Schools .....	—	—	—
Attending Certified Schools for Physically Defective Children.....	—	—	—
<i>Dull and Backward : *</i>			
Retard 2 years .....	—	—	—
Retard 3 years .....	—	—	—

\* Judged according to age and Standard.

ELEMENTARY SCHOOL CHILDREN.                      TABLE IV.—TREATMENT of Defects of Children during 1920.

Condition.	No. of defects found for which treatment was considered necessary.			No. of defects for which no report is available.	No. of defects treated.	Results of Treatment.			No. of defects not treated.	Per-centage of defects treated.
	From previous year.	New.	Total.			Remedied.	Improved.	Un-changed.		
Clothing .....	19	15	34	..	33	25	8	..	1	97.0
Footgear .....	19	2	21	..	21	6	15	..	..	100.0
Cleanliness of Head ..	127	138	265	57	190	119	51	20	18	71.7
Cleanliness of Body ..	57	56	113	44	65	25	31	9	4	57.5
Nutrition.....	3	1	4	..	4	2	1	1	..	100.0
Nose and Throat .....	179	652	831	73	655	125	390	140	103	78.8
External Eye Disease	84	49	133	22	104	42	23	39	7	78.2
Ear Disease .....	128	37	165	36	115	46	44	25	14	69.7
Teeth .....	..	..	..	..	..	..	..	..	..	..
Heart and Circulation	42	87	129	18	111	3	77	31	..	86.0
Lungs .....	61	24	85	16	65	17	38	10	4	76.4
Nervous .....	14	10	24	9	14	..	13	1	1	58.3
Skin.....	178	236	414	74	306	190	84	32	34	73.9
Rickets .....	71	33	104	27	66	3	31	32	11	63.4
Deformities.....	136	65	201	66	107	15	40	52	28	53.2
Tuberculosis (Non-Pul)	22	3	25	3	20	1	13	6	2	80.0
Speech.....	35	13	48	25	22	3	11	8	1	46.0
Mental Condition .....	2	4	6	..	5	..	5	..	1	83.3
Vision and Squint.....	599	494	1093	245	528	518	4	6	320	48.3
Hearing .....	63	41	104	38	66	20	35	11	..	63.4
Miscellaneous .....	139	357	496	96	326	142	122	62	74	65.7
TOTAL.....	1978	2317	4295	849	2823	1302	1036	485	623	65.7

NOTE.—Among the “ Defects not treated ” are cases of the following classes :—

- (1) Cases awaiting treatment.
- (2) Cases for which treatment is not recommended.
- (3) Cases of neglect and indifference on the part of parent or guardian.

## ELEMENTARY SCHOOL CHILDREN.

TABLE V.—INSPECTION, TREATMENT, ETC., OF CHILDREN DURING 1920.

(1)	The total number of children medically inspected (whether Code Group, special or ailing children) .....	10298
(2)	The number of children in (1) suffering from defects (other than uncleanliness or defective clothing or footgear) who require to be kept under observation (but not referred for treatment).....	78
(3)	The number of children in (1) who were referred for treatment (excluding uncleanliness, defective clothing, etc.).....	2965
(4)	The number of children in (3) who received treatment for one or more defects (excluding uncleanliness, defective clothing, etc.).....	974

NOTE.—The number given in paragraph (4) represents only those whose treatment was completed. Several others are under treatment yet and therefore “under observation.”

